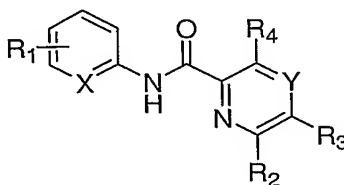


WHAT IS CLAIMED IS:

1. A compound represented by Formula (I):



or a pharmaceutically acceptable salt thereof wherein:

X is -N-, or -C-

Y is -N-, -C-, or C-halogen.

10 R₁ is selected from:

- 1) hydrogen,
- 2) C₁-10alkyl,
- 3) C₂-10alkenyl,
- 4) C₂-10alkynyl
- 5) C₃-10cycloalkyl,
- 6) heterocyclyl,
- 7) aryl,
- 8) heteroaryl,
- 9) -NR^dR^e,
- 10) -CO₂R^d,
- 11) -OR^d,
- 12) -CN, and
- 13) halogen,

where alkyl, alkenyl, alkynyl, cycloalkyl and heterocyclyl are optionally substituted with 1, 2, 3 or 4

substituents selected from R^a, and where aryl and heteroaryl are optionally substituted with 1, 2, 3, 4 or 5 substituents independently selected from R^b;

R₂ is selected from:

- 1) hydrogen,
- 2) C₁-10alkyl,
- 3) C₂-10alkenyl,
- 7) C₂-10alkynyl,

- 8) C₃₋₁₀cycloalkyl,
- 9) heterocyclyl,
- 7) aryl,
- 8) -CN,
- 5 9) halogen,
- 10) -OR^d, and
- 11) heteroaryl,

where alkyl, alkenyl and alkynyl, cycloalkyl and heterocyclyl, aryl, and heteroaryl are optionally substituted with 1, 2, 3, 4 or 5 substituents independently selected from R^b;

10 R₃ is selected from:

- 1) aryl,
- 2) -NR^dRe,
- 3) halogen,
- 4) C₁₋₁₀alkyl,
- 15 5) -OR^d,
- 6) hydrogen, and
- 7) -SR^d,

where alkyl are optionally substituted with 1, 2, 3, 4 or 5 substituents selected from R^a;

20 R² and R³ may be joined together with the atoms to which they are attached to form a saturated or unsaturated ring of 4, 5, 6 or 7 members containing 0, 1 or 2 heteroatoms independently selected from oxygen, sulfur and nitrogen;

R₄ is selected from:

- 1) aryl,
- 2) heteroaryl,
- 25 3) -NR^dRe,
- 4) halogen,
- 5) -OR^d,
- 6) hydrogen, and
- 7) SR^d;

30 where aryl and heteroaryl are optionally substituted with 1, 2, 3, 4 or 5 substituents independently selected from R^b;

R^a is selected from:

- 1) hydrogen,
- 2) -OR^d,

- 3) $-\text{NO}_2$,
 4) halogen,
 5) $-\text{S}(\text{O})_m\text{R}^d$,
 6) $-\text{SR}^d$,
 5 7) $-\text{S}(\text{O})_m\text{NR}^d\text{R}^e$,
 8) $-\text{NR}^d\text{R}^e$,
 9) $-\text{C}(\text{O})\text{R}^d$,
 10) $-\text{CO}_2\text{R}^d$,
 11) $-\text{OC}(\text{O})\text{R}^d$,
 10 12) $-\text{CN}$,
 13) $-\text{SiR}^c\text{R}^d\text{R}^e$,
 14) $-\text{C}(\text{O})\text{NR}^d\text{R}^e$,
 15) $-\text{NR}^d\text{C}(\text{O})\text{R}^e$,
 16) $-\text{OC}(\text{O})\text{NR}^d\text{R}^e$,
 15 17) $-\text{NR}^d\text{C}(\text{O})\text{OR}^e$,
 18) $-\text{NR}^d\text{C}(\text{O})\text{NR}^d\text{R}^e$,
 19) $-\text{CR}^d(\text{N}-\text{OR}^e)$,
 20) CF_3 , and
 21) $-\text{OCF}_3$;

20 R^b is selected from:

- 1) R^a ,
 2) C_{1-10} alkyl,
 3) C_{2-10} alkenyl,
 4) C_{2-10} alkynyl,
 25 5) C_{3-10} cycloalkyl,
 6) heterocyclyl,
 7) aryl, and
 8) heteroaryl,

30 where alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl are optionally substituted with 1,
 2, 3, 4 or 5 substituents independently selected from R^c ;

R^c is selected from:

- 1) halogen,
 2) amino,
 3) carboxy,

- 5
- 4) cyano,
 - 5) C₁₋₄alkyl,
 - 6) C₁₋₄alkoxy,
 - 7) aryl,
 - 8) aryl C₁₋₄alkyl,
 - 9) heteroaryl,
 - 10) hydroxy,
 - 11) CF₃, and
 - 12) aryloxy;
- 10 R^d and R^e are independently selected from R^a, C₁₋₁₀alkyl, C₂₋₁₀alkenyl, C₂₋₁₀alkynyl and Cy, where alkyl, alkenyl, alkynyl and Cy are optionally substituted with 1, 2, 3, 4 or 5 substituents independently selected from R^c;
- or R^d and R^e together with the atoms to which they are attached form a saturated or unsaturated ring of
- 15 4, 5, 6 or 7 members containing 0, 1 or 2 heteroatoms independently selected from oxygen, sulfur and nitrogen;
- Cy is independently selected from cycloalkyl, heterocyclyl, aryl, or heteroaryl; and
- m is 1 or 2.

20 2. A compound according to claim 1 wherein:

R₁ is selected from:

- 1) hydrogen,
- 2) C₁₋₆alkyl,
- 3) C₂₋₆alkenyl,
- 25 4) C₂₋₆alkylyl,
- 5) C₃₋₆cycloalkyl,
- 6) heterocyclyl,
- 7) aryl,
- 8) heteroaryl,
- 30 9) -NR^dR^e,
- 10) -OR^d,
- 11) -CO₂R^d,
- 10) -CN,
- 12) halogen;

where alkyl, alkenyl, alkyl, cycloalkyl and heterocyclyl are optionally substituted with one to four substituents selected from R^a , and where aryl and heteroaryl are optionally substituted with 1, 2 or 3 substituents independently selected from R^b ;

R_2 is selected from:

- 5 1) hydrogen,
- 2) C_{1-6} alkyl,
- 3) C_{2-6} alkenyl,
- 4) C_{3-6} cycloalkyl,
- 5) aryl,
- 10 6) heteroaryl,
- 7) $-CN$,
- 8) $-OR^d$, and
- 9) halogen,

where alkyl, alkenyl, cycloalkyl, aryl and heteroaryl are optionally substituted with 1, 2 or 3 substituents independently selected from R^b ;

R_3 is selected from:

- 1) hydrogen,
- 2) C_{1-6} alkyl,
- 3) aryl,
- 20 4) $-NR^dRe$,
- 5) $-OR^d$,
- 6) $-SR^d$,
- 7) halogen;

wherein alkyl is optionally substituted with 1, 2 or 3 substituents independently selected from R^a ;

25 R^2 and R^3 may be joined so that together with the atoms to which R^2 and R^3 are attached there is formed a cyclohexyl or phenyl ring;

R^4 is selected from:

- 1) hydrogen,
- 2) aryl,
- 30 3) heteroaryl,
- 4) $-NHR^d$,
- 5) $-OR^d$,
- 6) $-SR^d$,
- 7) halogen;

where aryl and heteroaryl are optionally substituted with 1, 2 or 3 substituents independently selected from R^b;

R^a is selected from:

- 5 1) hydrogen,
- 2) -OR^d,
- 3) halogen,
- 4) -NR^dR^e,
- 5) -CN,
- 10 6) CO₂R^d,
- 7) CF₃

R^b is selected from:

- 1) R^a,
- 2) C₁₋₃ alkyl

15 where alkyl are optionally substituted with 1, 2 or 3 substituents independently selected from R^c;

R^c is selected from:

- 1) hydrogen,
- 2) carboxy
- 3) C₁₋₃alkyl,

20

R^d and R^e are independently selected from R^a, C₁₋₄alkyl, cycloalkyl, aryl, or heteroaryl, where alkyl, cycloalkyl, aryl, or heteroaryl are optionally substituted with 1, 2 or 3 substituents independently selected from R^c,

25 or R^d and R^e together with the atoms to which they are attached form a saturated or unsaturated ring of 4, 5, 6 or 7 members containing 0, 1 or 2 heteroatoms independently selected from oxygen, sulfur and nitrogen.

3. A compound according to Claim 2 wherein:

30 R^a is selected from:

- 1) hydrogen,
- 2) -CN,
- 3) halogen;

R^b is selected from R^a.

4. A compound according to Claim 3 wherein:

R₁ is selected from:

- 5 10) hydrogen,
- 11) methyl, ethyl
- 12) -C(O)-O-CH₃,
- 13) pyridinyl,
- 14) -CN,
- 10 15) imidazolyl,
- 16) chloro, bromo,
- 17) -CH≡CH, and
- 18) hydroxyl,

wherein alkyl and heterocyclyl are optionally substituted with 1 or 2 substituents selected from R^a, and
 15 where heteroaryl are optionally substituted with 1 or 2 substituents independently selected from R^b.

5. A compound according to Claim 3 wherein:

R₂ is selected from:

- 9) hydrogen,
- 20 10) Phenyl, optionally mono or di-substituted with a substituent selected from halo,
 - CH₃ and cyano,
- 11) CH₃, ethyl, butyl,
- 12) Bromo, chloro,
- 13) -CN,
- 25 14) -OCH₃,
- 15) pyridinyl, thienyl, and
- 16) -CF₃,

where alkyl, alkenyl, cycloalkyl, aryl and heteroaryl are optionally substituted with 1, 2 or 3 substituents
 independently selected from R^b.

6. A compound according to Claim 3 wherein:

R₃ is selected from:

- 1) hydrogen,
- 2) -N(CH₃)CH₃,

- 3) CH₃,
- 4) piperidinyl,
- 5) -S-CH₃,
- 6) -NCH₂CH₃,
- 7) -OCH₃,
- 8) -N-CH₂-furyl,
- 9) -N-CH(CH₃)₂,
- 10) CF₃,
- 11) phenyl,
- 12) chloro, and
- 13) -NH₂,

wherein alkyl is optionally substituted with 1, 2 or 3 substituents independently selected from R^a.

7. A compound according to Claim 3 wherein:

R₂ and R₃ together with the atoms to which they are attached form a ring selected from cyclohexyl and phenyl.

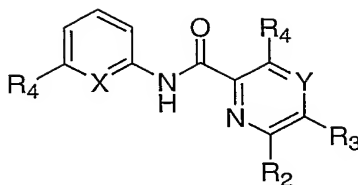
8. A compound according to Claim 3 wherein:

R₄ is selected from:

- 1) hydrogen,
- 2) -NH₂,
- 3) hydroxyl,
- 4) -N-pyridyl,
- 5) -S-CH₃,
- 6) -N(CH₃)₂,
- 7) -N-C(O)-O-CH₂C=CH₂.

where aryl and heteroaryl are optionally substituted with 1, 2 or 3 substituents independently selected from R^b.

9. A compound according to Claim 3 of Formula (Ia):



(Ia)

wherein

R₁ is selected from:

- 1) hydrogen,
- 2) methyl, ethyl
- 3) -C(O)-O-CH₃,
- 4) pyridinyl,
- 5) -CN,
- 6) imidazolyl,
- 7) chloro, bromo,
- 8) -CH=CH-Si(CH₃)₃,
- 9) -CH=CH, and
- 10) hydroxyl;

R₂ is selected from:

- 1) hydrogen,
- 2) Phenyl, optionally mono or di-substituted with a substituent selected from halo, -CH₃ and cyano,
- 3) CH₃, ethyl, butyl,
- 4) Bromo, chloro,
- 5) -CN,
- 6) -OCH₃,
- 7) pyridinyl, thienyl, and
- 8) -CF₃;

R₃ is selected from:

- 1) hydrogen,
- 2) -N(CH₃)CH₃,
- 3) CH₃,
- 4) piperidinyl,
- 5) -S-CH₃,

- 6) $-\text{NCH}_2\text{CH}_3$,
- 7) $-\text{OCH}_3$,
- 8) $-\text{N}-\text{CH}_2$ -furanyl,
- 9) $-\text{N}-\text{CH}(\text{CH}_3)_2$,
- 10) CF_3 ,
- 11) phenyl,
- 12) chloro, and
- 13) $-\text{NH}_2$;

5

10

R_2 and R_3 together with the atoms to which they are attached form a ring selected from cyclohexyl and phenyl; and
 R_4 is selected from:

- 1) hydrogen,
- 2) $-\text{NH}_2$,
- 3) hydroxyl,
- 4) $-\text{N}$ -pyridyl,
- 5) $-\text{S}-\text{CH}_3$,
- 6) $-\text{N}(\text{CH}_3)_2$,
- 7) $-\text{N}-\text{C}(\text{O})-\text{O}-\text{CH}_2\text{C}=\text{CH}_2$.

15

20

10. A compound according to Claim 9 wherein
 R_3 is hydrogen or methyl.

25

11. A compound according to claim 9 wherein
 R_4 is hydroxyl, $-\text{NH}_2$ or $-\text{NH}$ -aryl.

12. A compound according to Claim 9 wherein
 R_2 is halo or methyl.

30

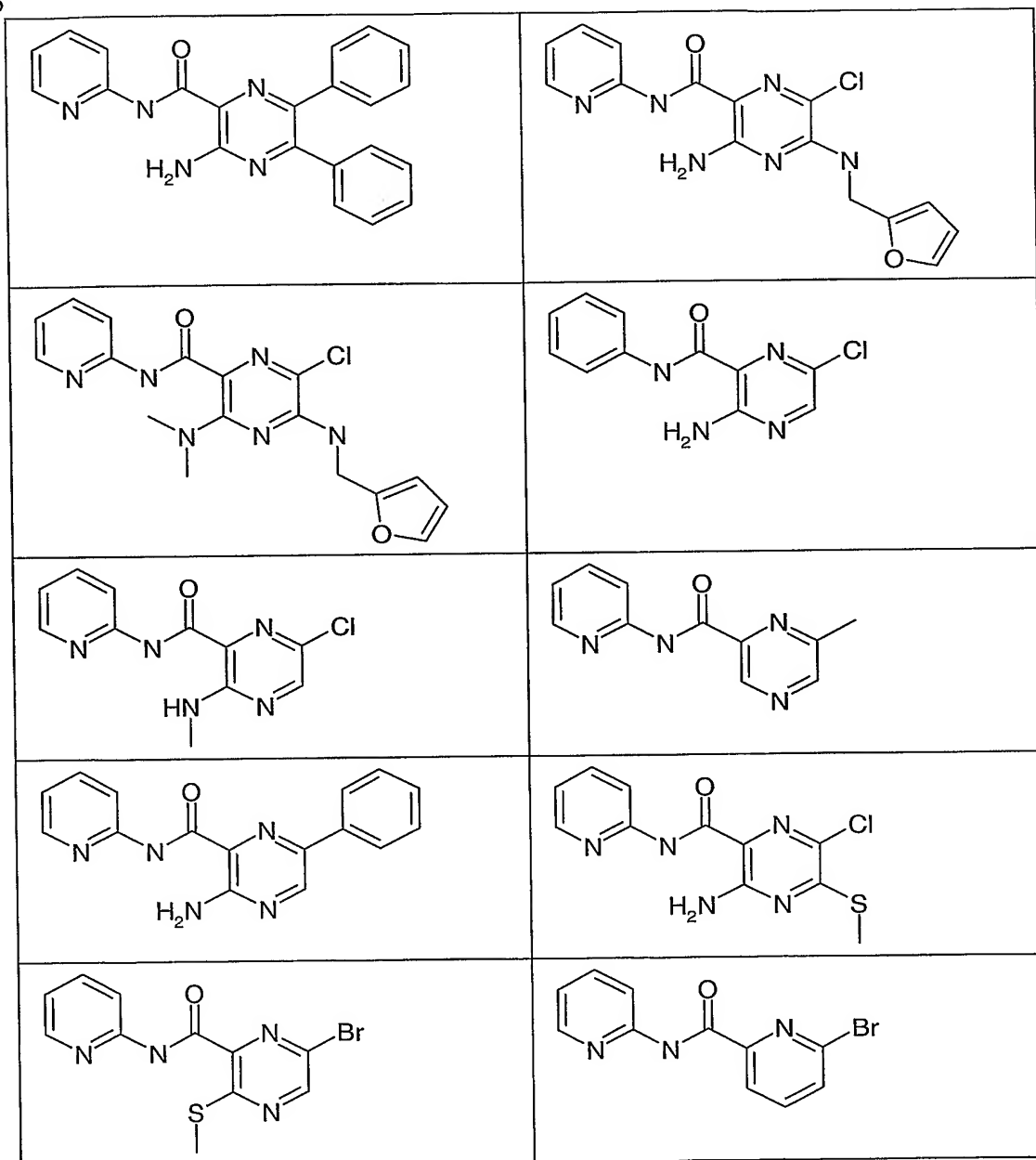
13. A compound according to Claim 9 wherein
 R_1 is hydrogen or methyl.

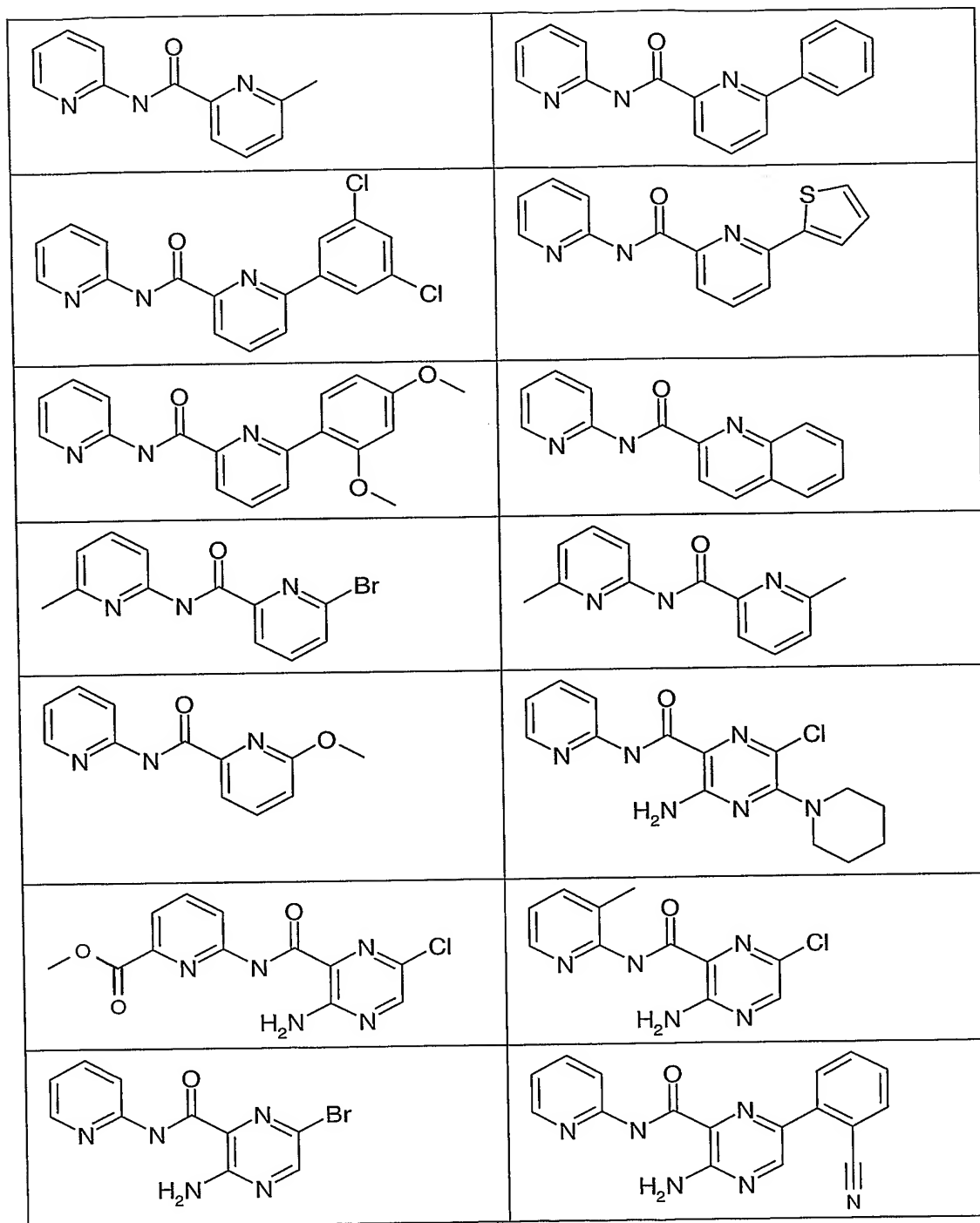
14. A compound according to claim 9 wherein
 R_1 is hydrogen or methyl;
 R_2 is halo or methyl;

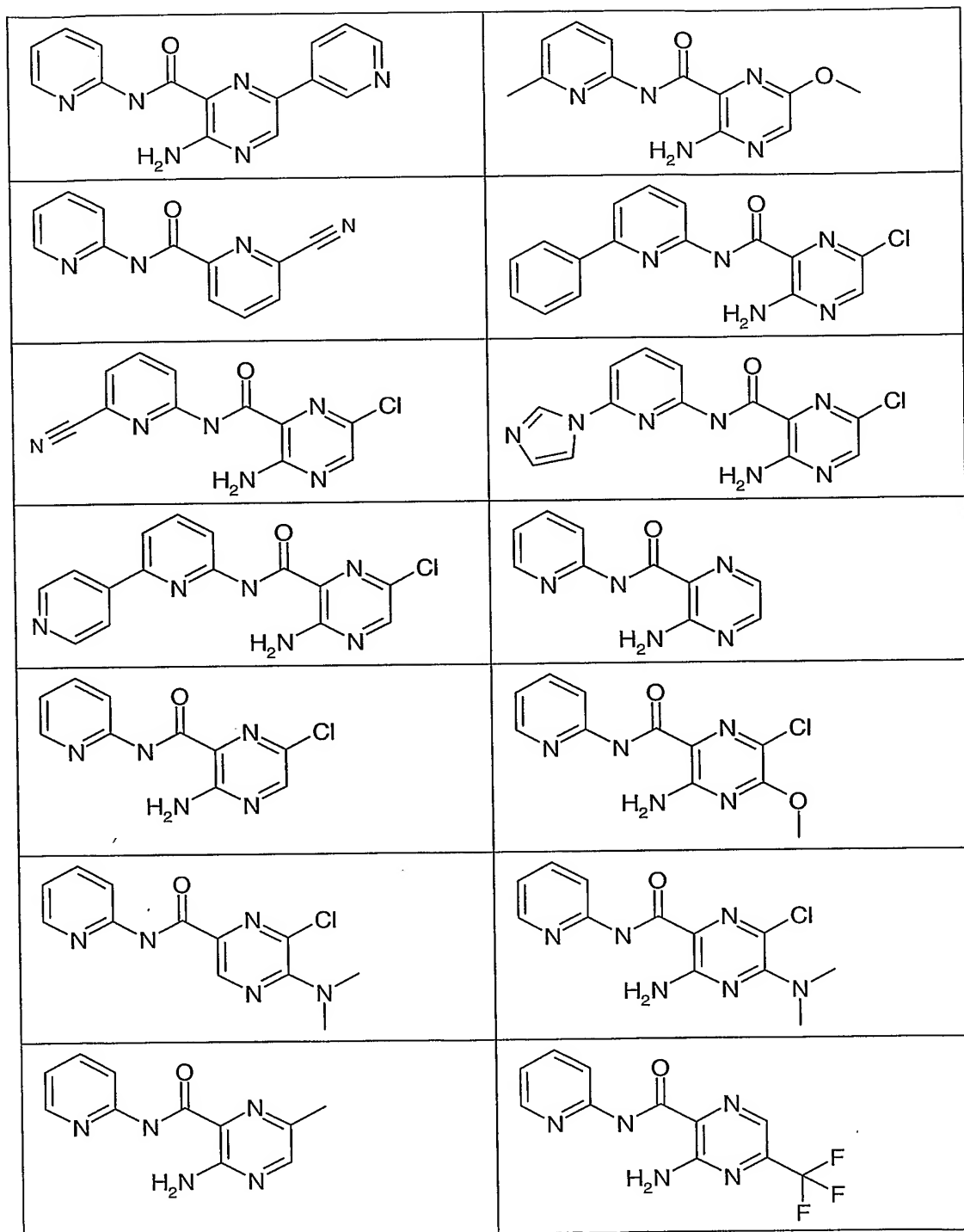
R₃ is hydrogen or methyl; and
R₄ is hydroxyl, -NH₂ or -NH-aryl.

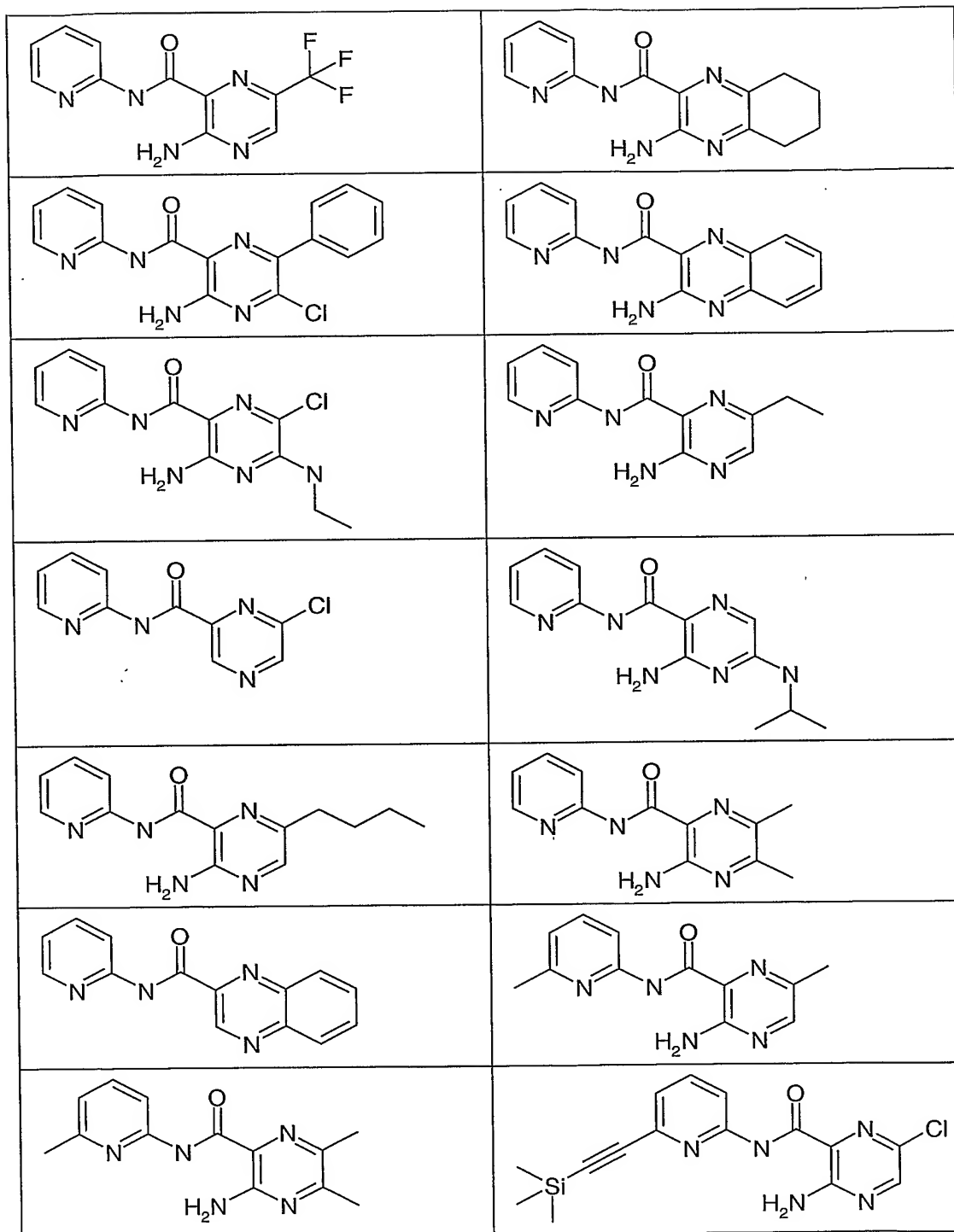
15. A compound selected from:

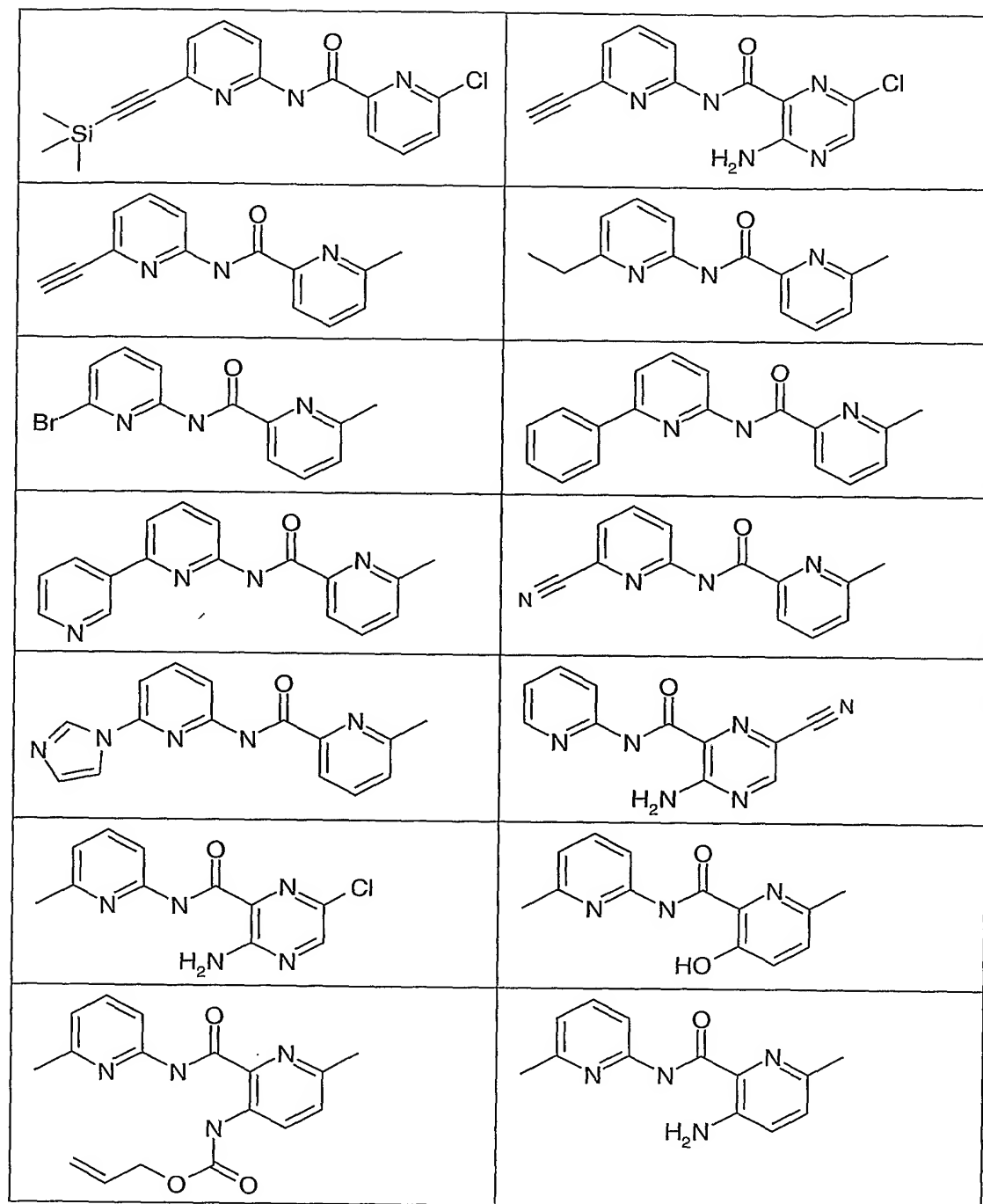
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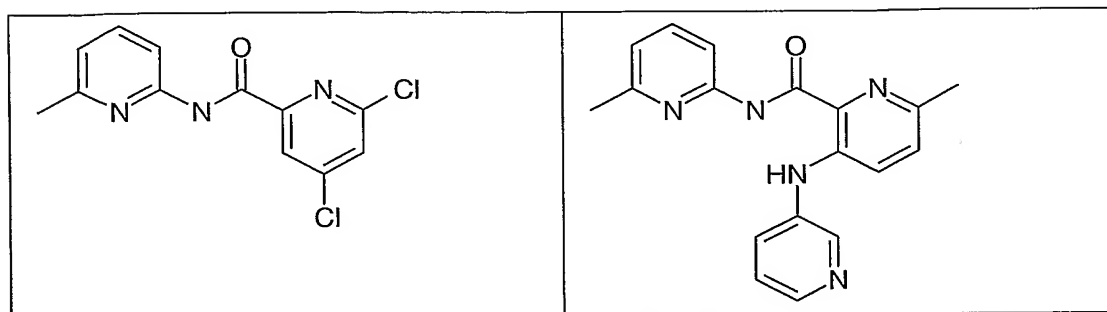












or a pharmaceutically acceptable salt thereof.

16. A pharmaceutical composition comprising a therapeutically effective amount of the compound according to claim 1, 2, 9 or 15, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

17. A method of treatment or prevention selected from:

1) treatment or prevention of pain comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

2) treatment or prevention of a pain disorder wherein said pain disorder is acute pain, persistent pain, chronic pain, inflammatory pain, or neuropathic pain, comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

3) treatment or prevention of anxiety, depression, bipolar disorder, psychosis, drug withdrawal, tobacco withdrawal, memory loss, cognitive impairment, dementia, Alzheimer's disease, schizophrenia or panic comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

4) treatment or prevention of Parkinson's disease comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

5) treatment or prevention of anxiety disorders comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

6) treatment or prevention of epilepsy comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

5 7) treatment or prevention of cognitive dysfunction comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

8) treatment or prevention of drug addiction, drug abuse and drug withdrawal comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof;

10 9) treatment or prevention of circadian rhythm and sleep disorders comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof; and

15 10) treatment or prevention of obesity comprising the step of administering a therapeutically effective amount, or a prophylactically effective amount, of the compound according to claim 1 or a pharmaceutically acceptable salt thereof.

18. The method of claim 17 wherein said anxiety disorder is panic attack, agoraphobia or specific phobias, obsessive-compulsive disorders, post-traumatic stress disorder, acute stress disorder, generalized anxiety disorder, eating disorder, substance-induced anxiety disorder, or
20 nonspecified anxiety disorder.

19. The method of claim 17 wherein the circadian rhythm and sleep disorders are shift-work induced sleep disorder or jet-lag.